PATENT COOPERATION TREATY

PCT

REC'D 16 OCT 2006

INTERNATIONAL PRELIMINARY REPORT ON PATENT BILLTY—
(Chapter II of the Patent Cooperation Treaty)
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PCT

(PCT Article 36 and Rule 70)

Applicant's or	agent's file reference	T								
5869-039		FOR FURTHER ACTION See Form PCT/		See Form PCT/IPEA/416						
International application No.		International filing date	(day/month/year)	Priority date (day/month/year)						
PCT/US04/37409		10 November 2004 (10.	11.2004)	11 November 2003 (11.11.2003)						
		or national classification a	ad IPC							
IPC: H04M 1/00(2006.01),9/00(2006.01),9/08(2006.01) USPC: 379/406.1										
Applicant										
MATECH INC										
EX	Examining Authority under Article 35 and transmitted to the applicant according to Article 36.									
2. Th	This REPORT consists of a total of $\frac{\Delta}{2}$ sheets, including this cover sheet.									
3. Th	This report is also accompanied by ANNEXES, comprising:									
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:										
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).										
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.										
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).										
4. Thi	s report contains indica	tions relating to the follo	owing items:							
\succeq	Box No. I B	sis of the report		•						
	Box No. II Pr	iority								
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability									
\boxtimes	Box No. IV La	ck of unity of invention								
\boxtimes	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
	Box No. VI Certain documents cited									
	Box No. VII Certain defects in the international application									
	Box No. VIII Certain observations on the international application									
Date of submission of the demand			Date of completion of this report							
03 May 2005 (03.05.2005)			11 May 2006 (11.05.2006)							
Name and mailing address of the IPEA/US			Authorized officer							
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents										
P.O. Box 1450 Alexandria, Virginia 22313-1450			Curtis A Kuntz Telephone No. 703-305-4708							
Facsimile No. (571) 273-3201			Telephone No. 703-305-4708							
DOTTODE A (ADD (

Form PCT/IPBA/409 (cover sheet)(April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/37409	

Box No. I Basis of the report						
1. With regard to the language, this report is based on:						
the international application in the language in which it was filed.						
a translation of the international application into English , which is the language of a translation furnished for the purposes of:						
international search (under Rules 12.3 and 23.1(b))						
publication of the international application (under Rule 12.4(a))						
international preliminary examination (under Rules 55.2(a) and/or 55.3(a))						
 With regard to the elements of the international application, this report is based on freplacement sheets which have been firmtihed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report; 						
the international application as originally filed/furnished						
the description:						
pages 1-21as originally filed/furnished pages* NONEreceived by this Authority on						
pages* NONE received by this Authority on						
the claims:						
pages 22-32 as originally filed/furnished						
pages* NONE as amended (together with any statement) under Article 19						
pages* NONE received by this Authority on pages* NONE received by this Authority on						
P-9-0 Institution by the real of the real						
the drawings: pages 1/10-10/10 as originally filed/furnished						
pages* NONE received by this Authority on						
pages* NONE received by this Authority on						
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.						
3. The amendments have resulted in the cancellation of:						
the description, pages						
the claims, Nos						
the drawings, sheets/figs						
the sequence listing (specify):						
any table(s) related to the sequence listing (specify):						
 This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filled, as indicated in the Supplemental Box (Rule 70.2(c)). 						
the description, pages						
the claims, Nos.						
the drawings, sheets/figs						
the sequence listing (specify):						
any table(s) related to the sequence listing (specify):						
* If item 4 applies, some or all of those sheets may be marked "superseded."						
orm PCT/IPEA/409 (Box No. D. (April 2005)						

w	International application No.							
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY	PCT/US04/37409							
Box No. IV Lack of unity of invention								
In response to the invitation to restrict or pay additional fees the applicant has, within the applicable time limit: restricted the claims. paid additional fees.								
paid additional fees under protest, and, where applicable, the protest fee								
paid additional fees under protest but the applicable protest fee was not paid								
neither restricted the claims nor paid additional fees								
2. This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.								
This Authority considers that the requirement of unity of invention in a complied with.	accordance with Rules 13.1, 13.2 and 13.3 is:							
not complied with for the following reasons:								
	. *							
Consequently, this report has been established in respect of the following.	ne parts of the international application:							
	-,							
all parts the parts relating to claims Nos. 1-27								

Form PCT/IPEA/409 (Box No. IV) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/37409

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1. Statement								
Novelty (N)		Claims	none			YES		
		Claims	1-3,5-7,11-13	19,22		NO		
Inventive Step (IS)						YES		
		Claims	1-27			NO		
	Industrial Applicability (IA)	Claims	1-27			YES		
		Claims	NONE			NO		
Claims 1,3,5-7,11-13,19,22 lack novely under PCT Article 33(2) as being anticipated by Histanen (6415034). Histanen discloses a two way communication device for use in an ear. The device comprises a day that implements an adaptive algorithm to generate filter coefficients that are used to subtract (examiner reads an adder and subtractor as the same device) an echo signal from the transmitted signal (C3 di lace 25-43, C07) Times a nonances the transmission and reception through transducers. Since the DSF is digital is inherently operated periodically (so per the clocking rate). The device further comprises a VOX (Fig. 4 latent 30,22) to control control of the comprises a composition of the control of the comprises a composition story operated produced on the comprises a composition filter (drip) is reconfigured (adapted) after a predetermined amount of time (determined by the clocking rate). The adaptive filter (drip) is reconfigured (adapted) after a predetermined amount of time (determined by the clocking rate). Claims 4,8-10,14,20,21,23-27 lack an inventive step under PCT Article 33(3) as being obvious over Histanen (6415034) in view of Fang et al. (6490610). Histanen discloses at two way communication device, however, Heistanen does not disclose that the exhaust of the composition								